

[illegible]

FIG. 2A

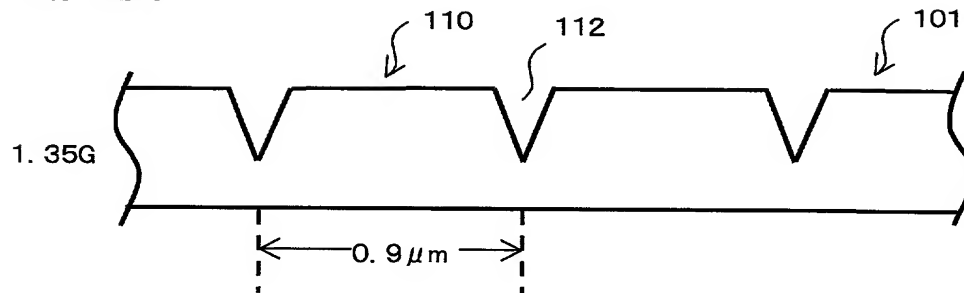


FIG. 2B

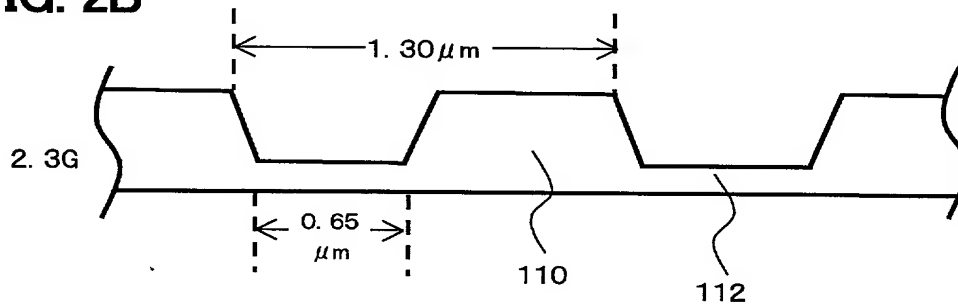


FIG. 3

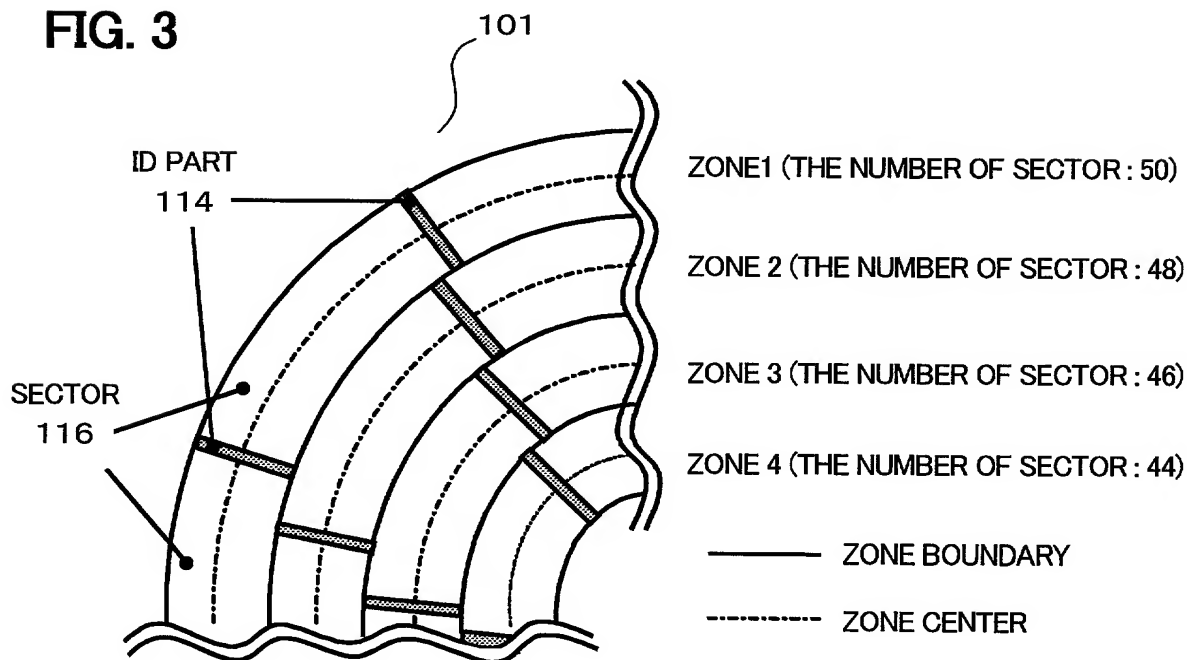


FIG. 5

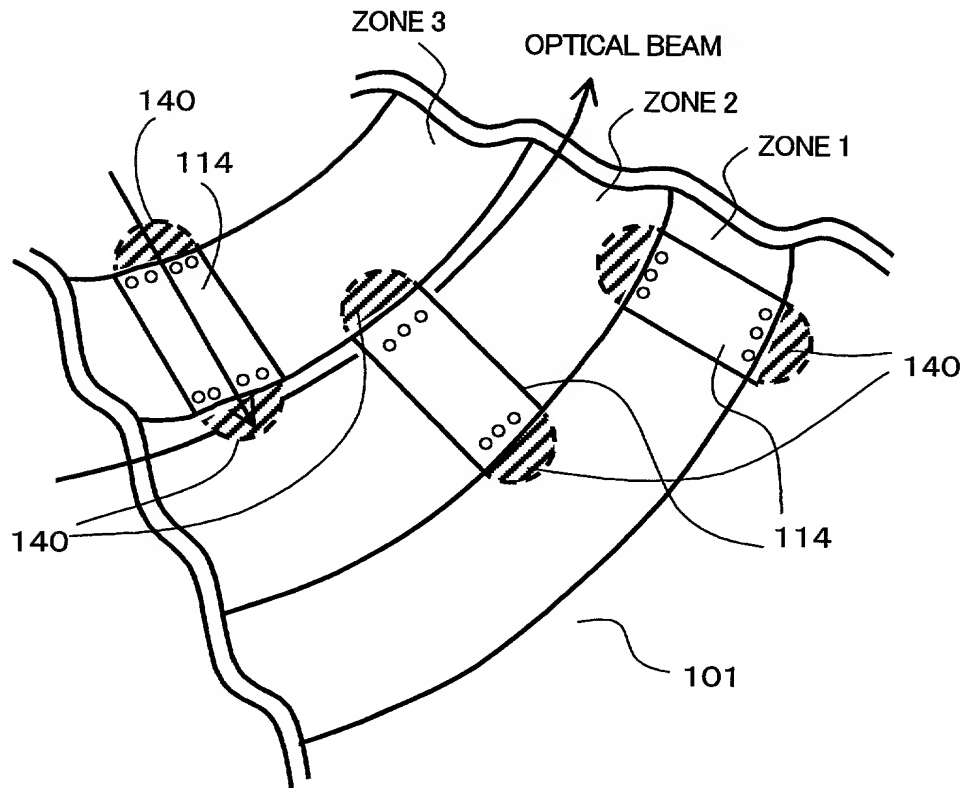
[illegible]

FIG. 6A

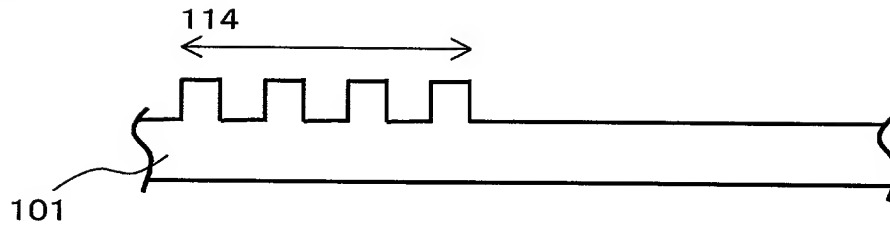


FIG. 6B

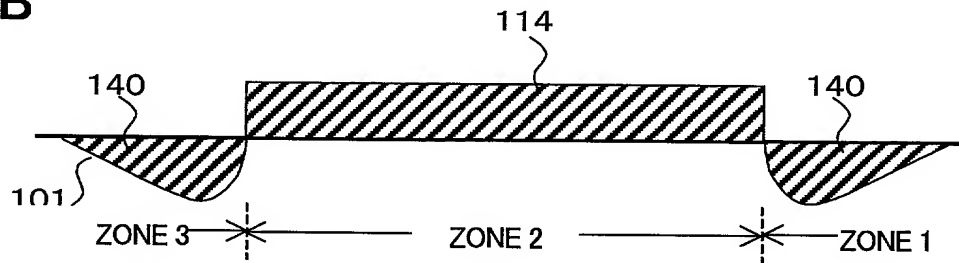
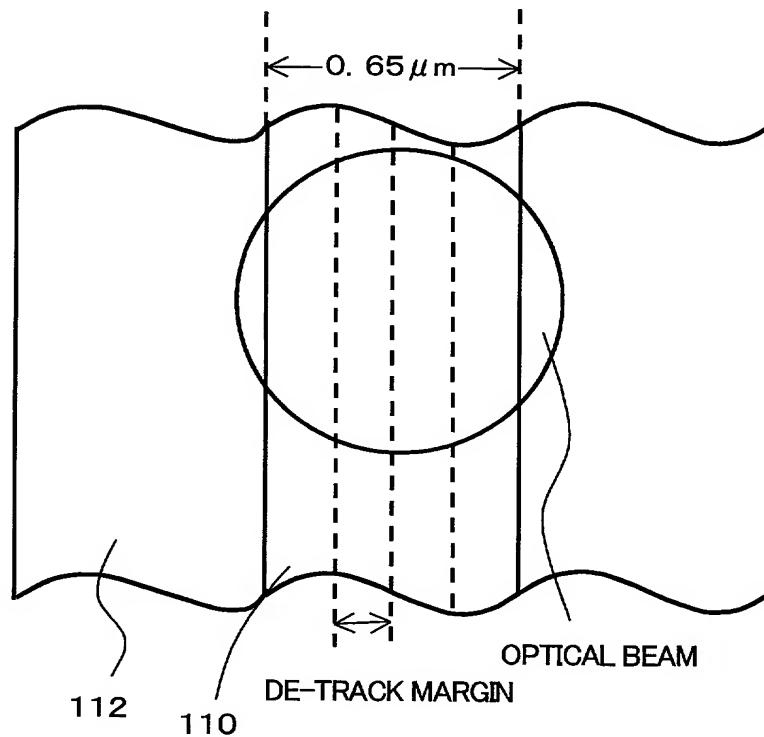


FIG. 7



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FIG. 9

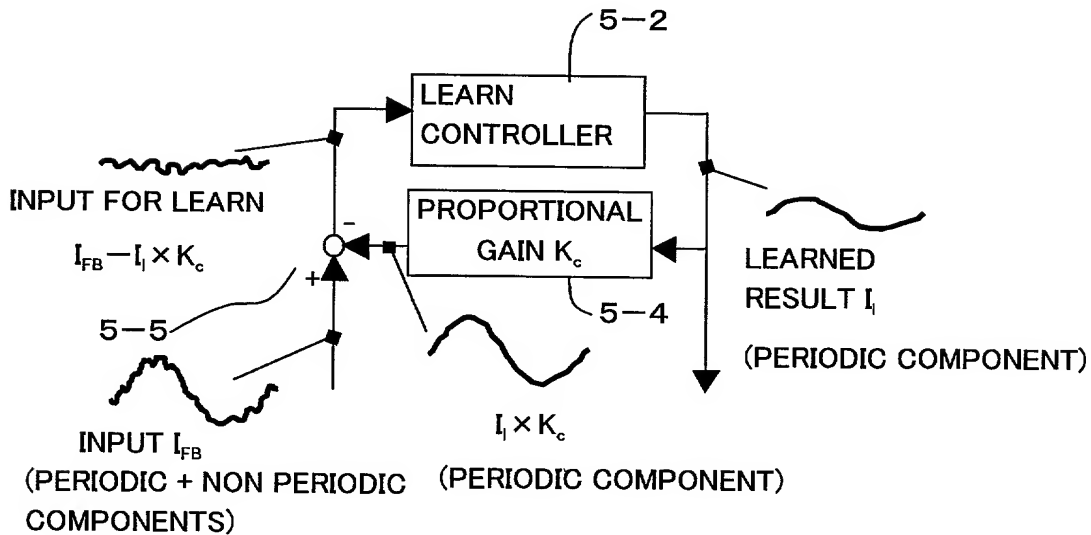


FIG. 10

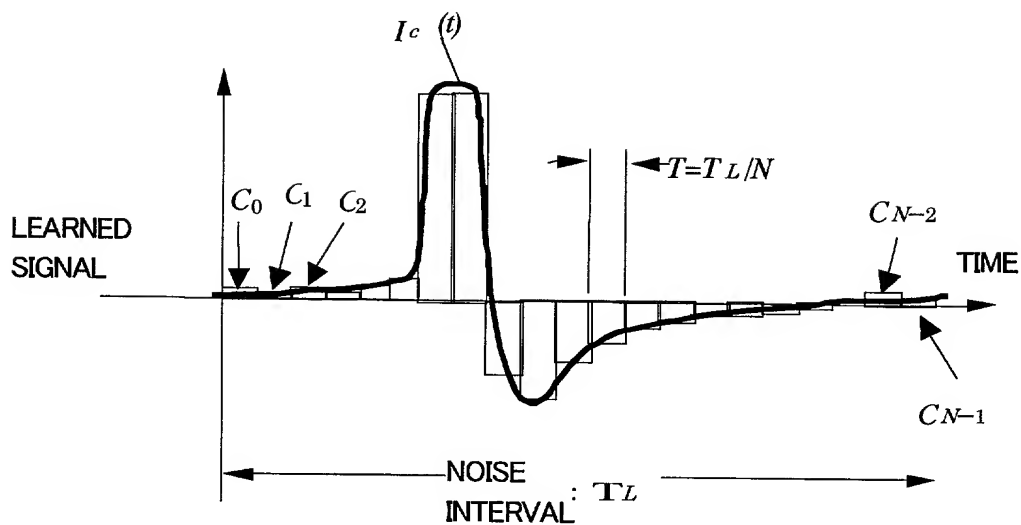


FIG. 11

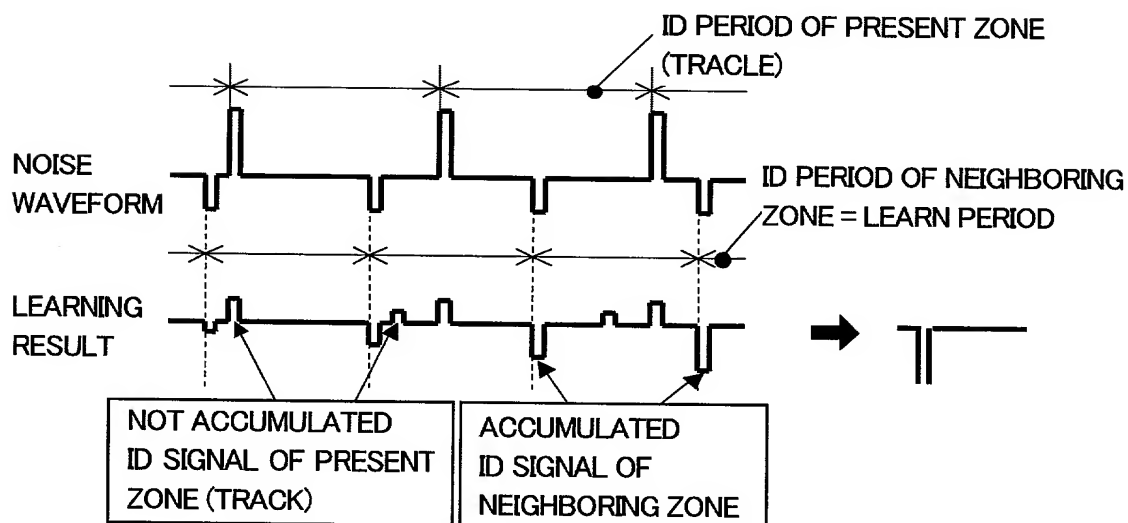


FIG. 12

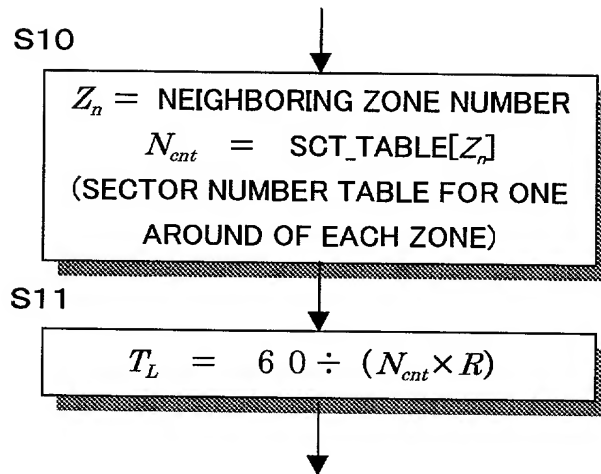
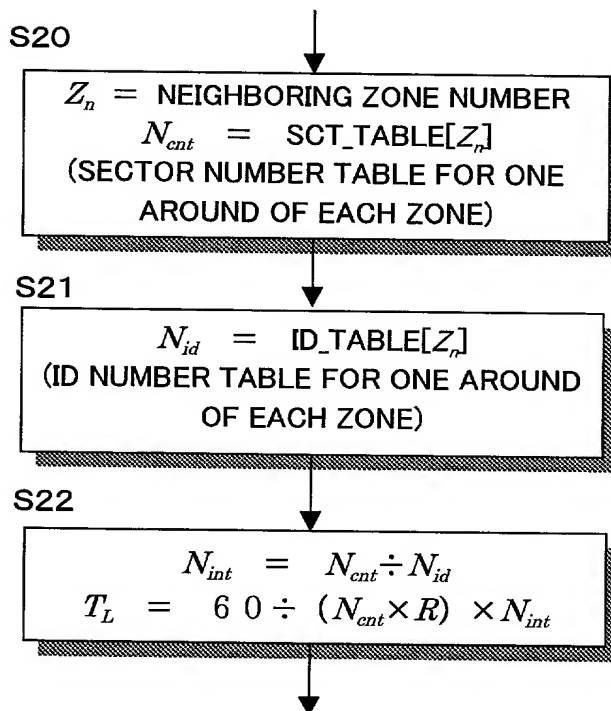


FIG. 13



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FIG. 14

LEARN CONTROLLER 5-2

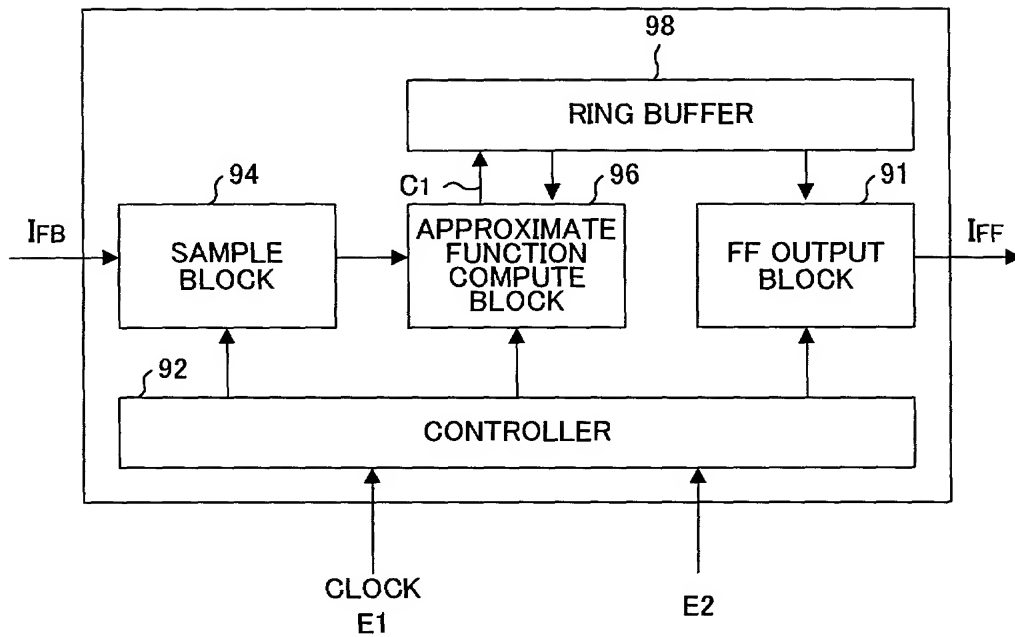
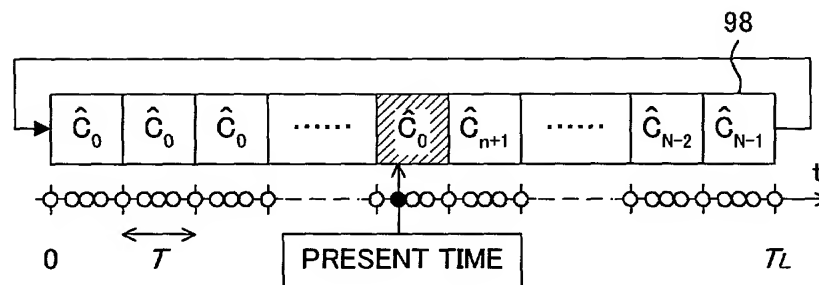


FIG. 15



$$i_u = \text{floor}\left(\frac{t}{T}\right)$$

$$\hat{C}_{iu}(N) = \hat{C}_{iu}(L) + K_I \cdot T_s \cdot I_{FB}$$

FIG. 16

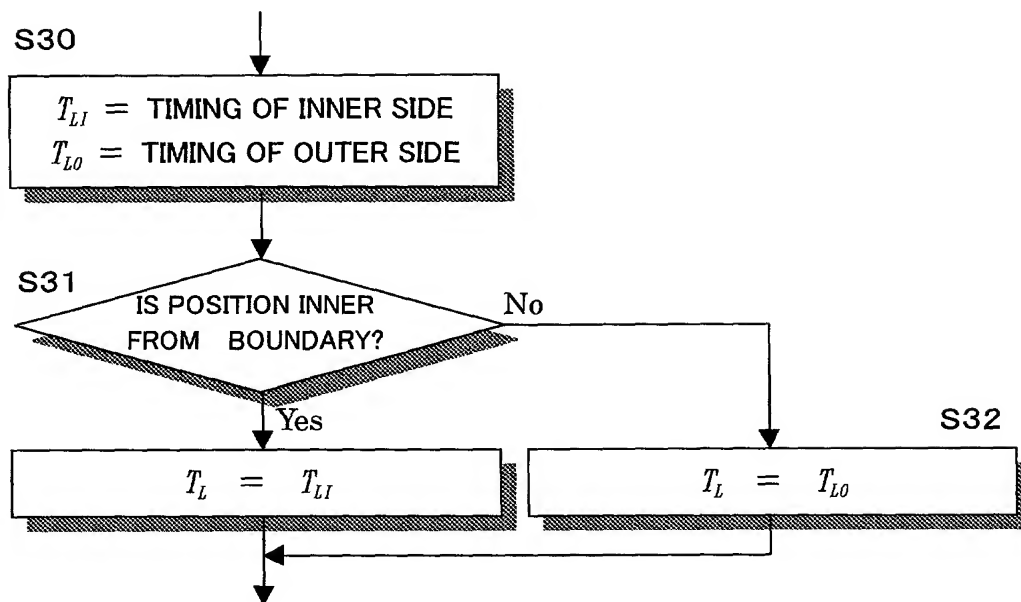


FIG. 17

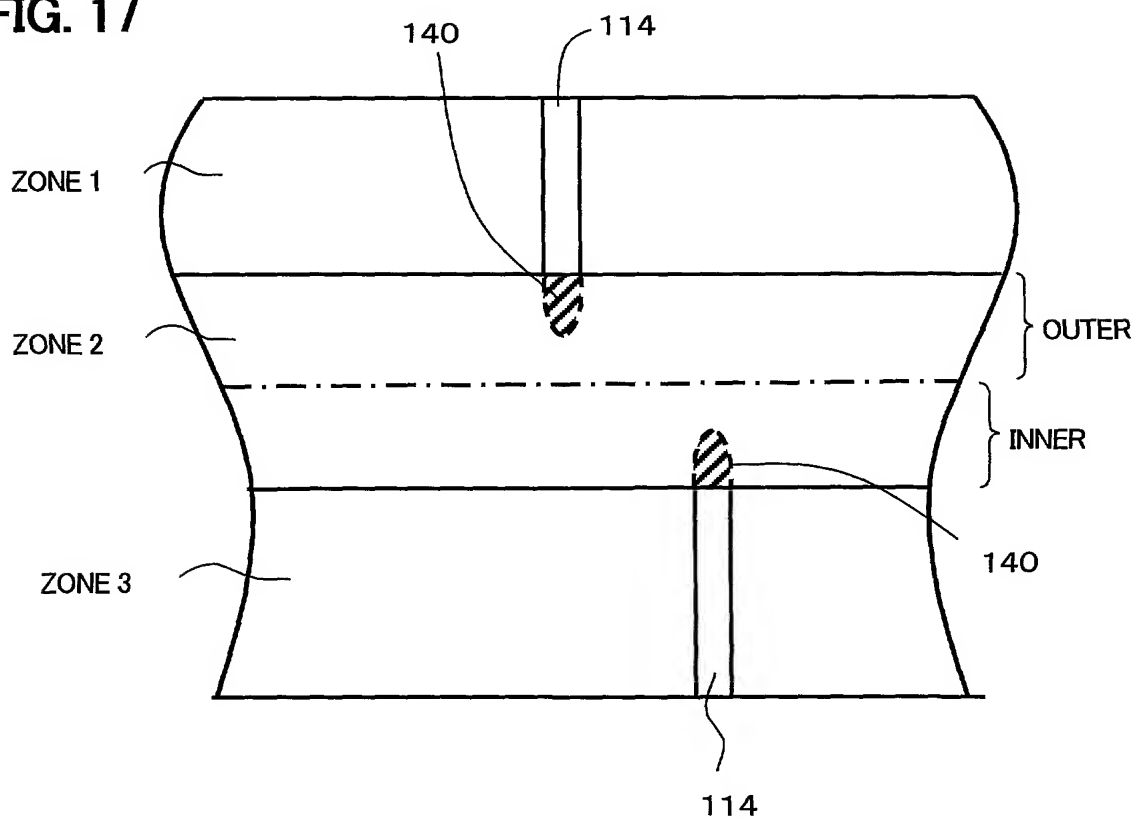
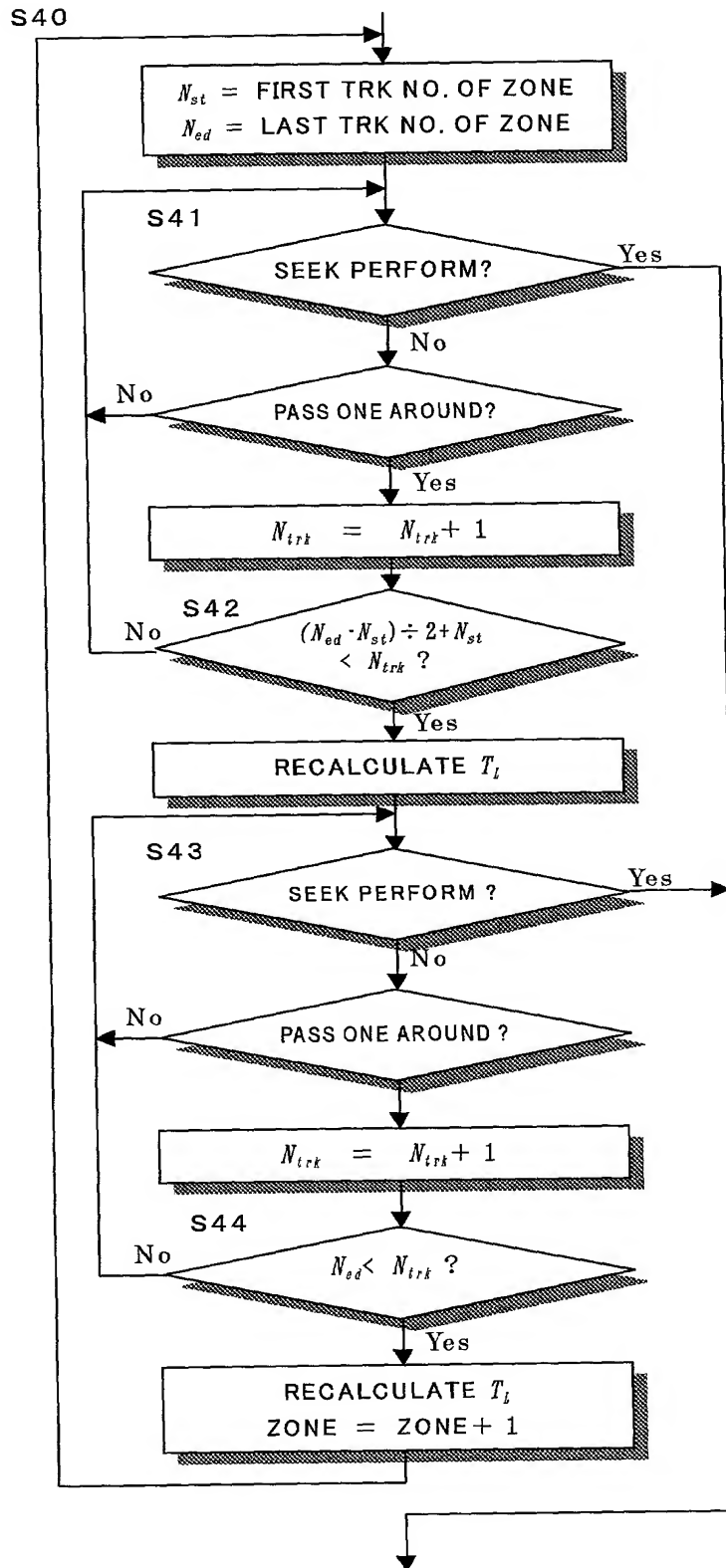
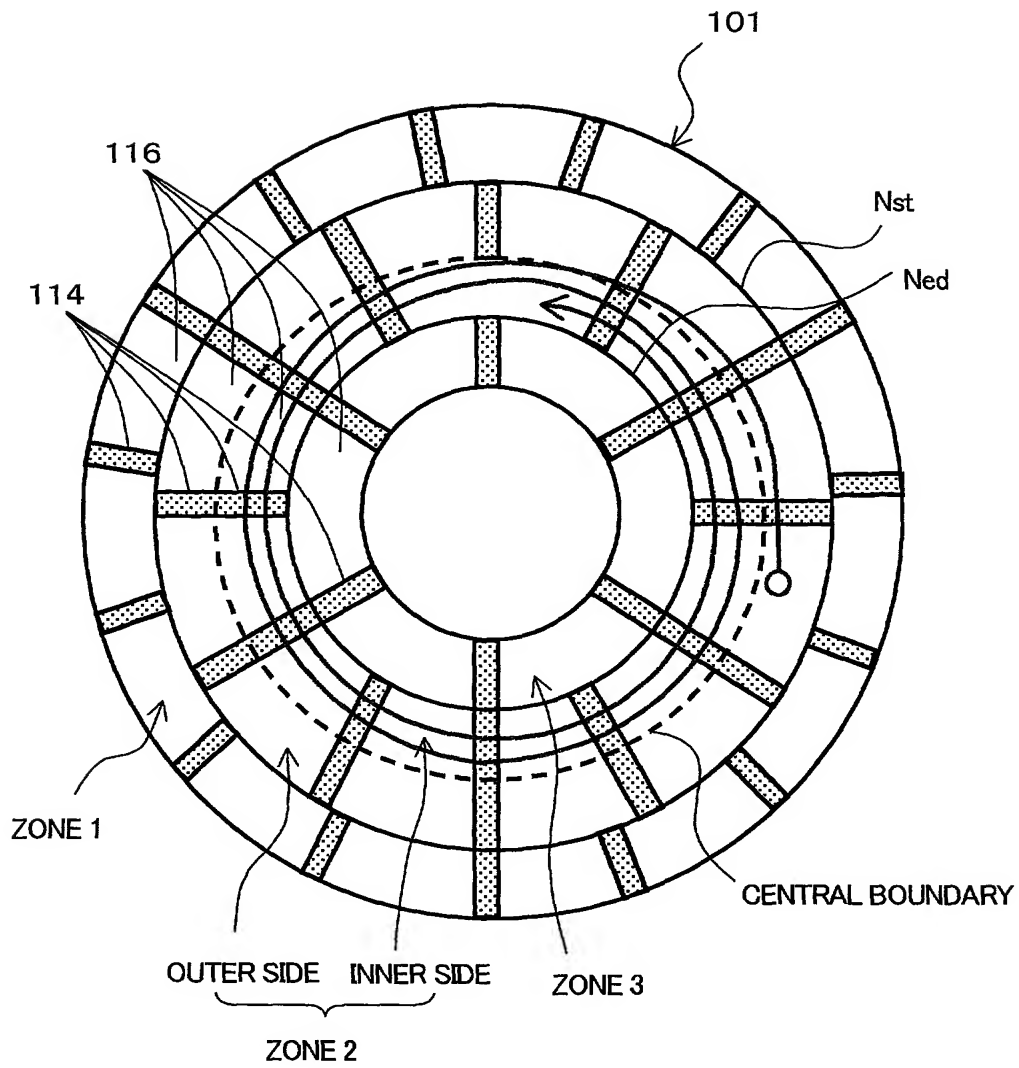


FIG. 18



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FIG. 19



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FIG. 20

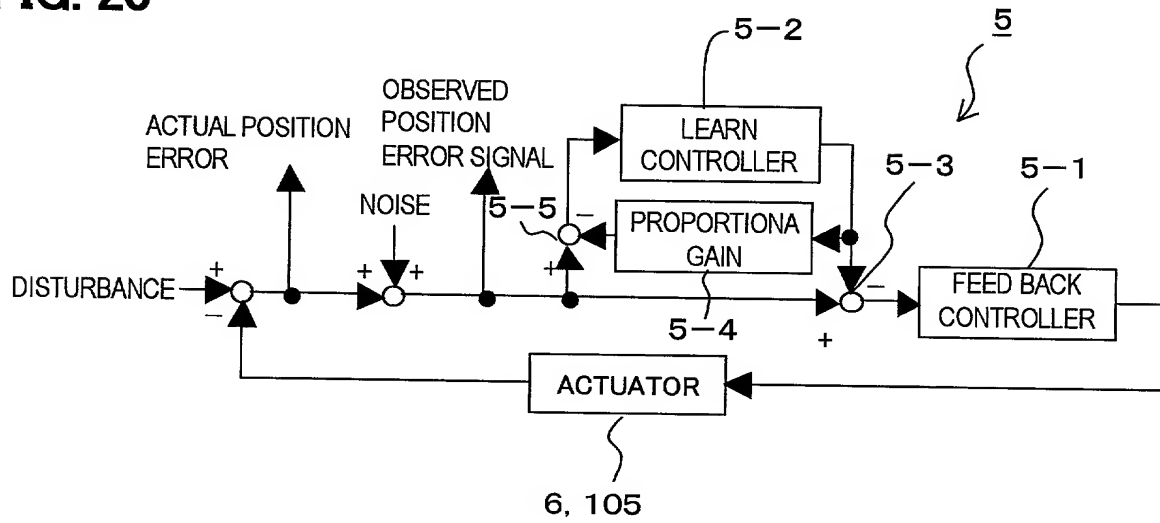


FIG. 21

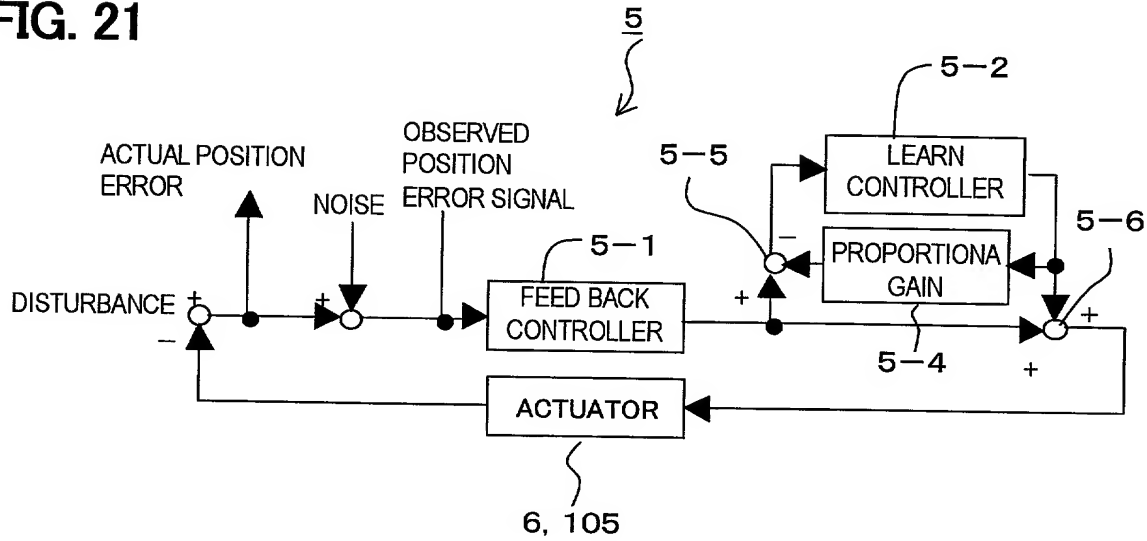


FIG. 22

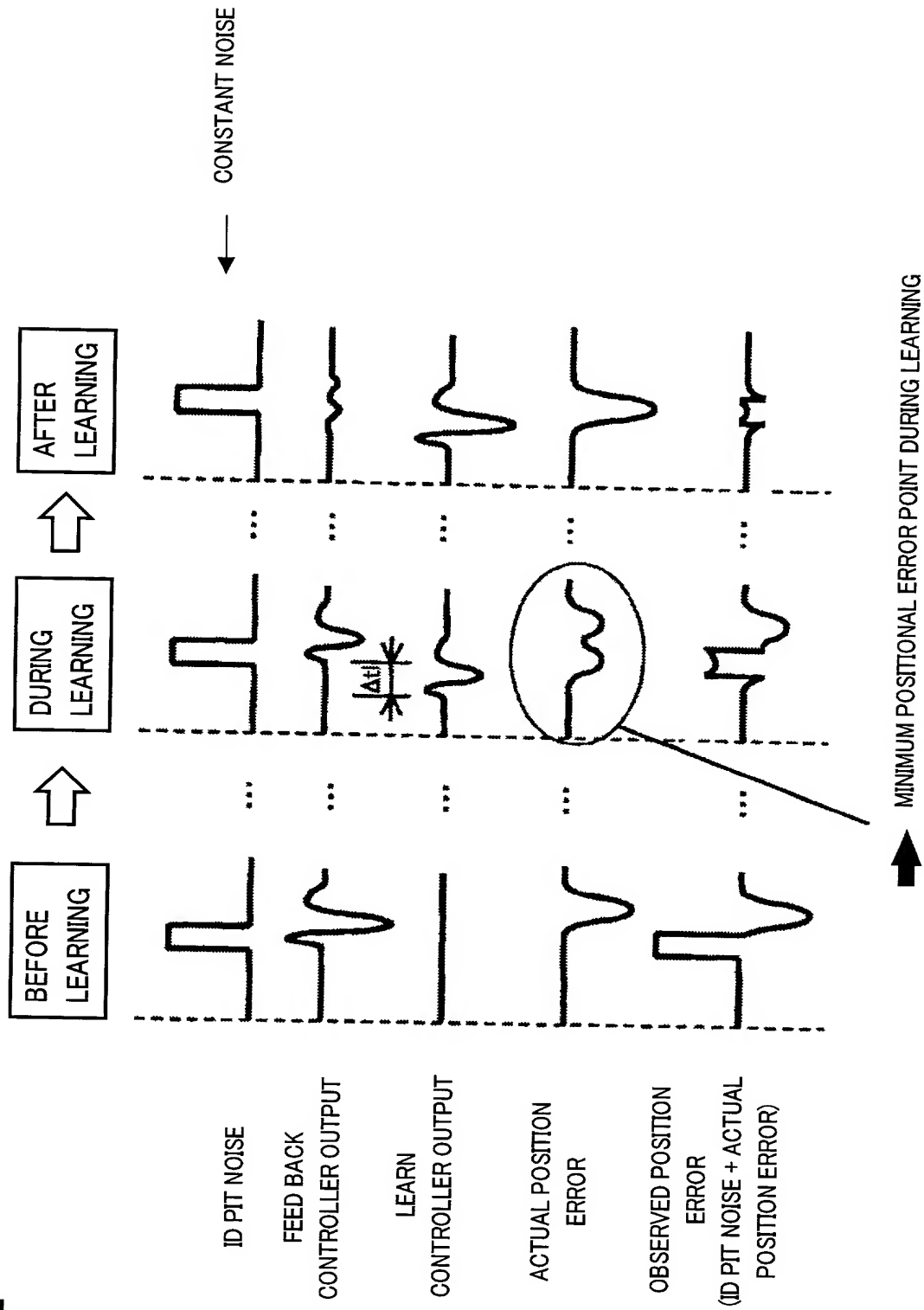
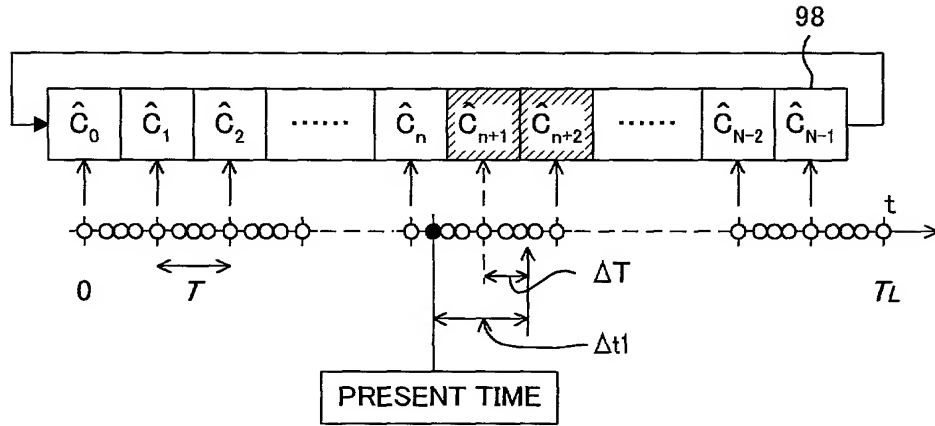


FIG. 23



$$io = \text{floor} \left(\frac{t + \Delta t_1}{T} \right)$$

IF $io \leq N-2$ then $io1=io, io2=io1+1$

IF $io = N-1$ then $io1=N-1, io2=0$

IF $io \geq N$ then $io1=io-N, io2=io1+1$

$$1_{FF}(\Delta T) = \hat{C}_{io1} + \frac{\hat{C}_{io2} - \hat{C}_{io1}}{T} = \Delta T$$

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FIG. 24

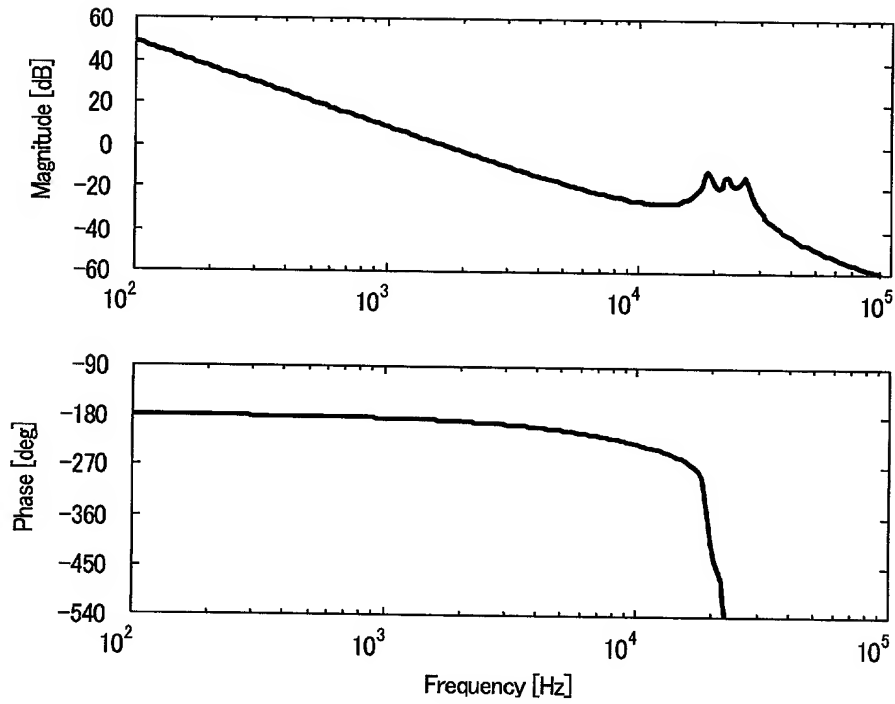


FIG. 25

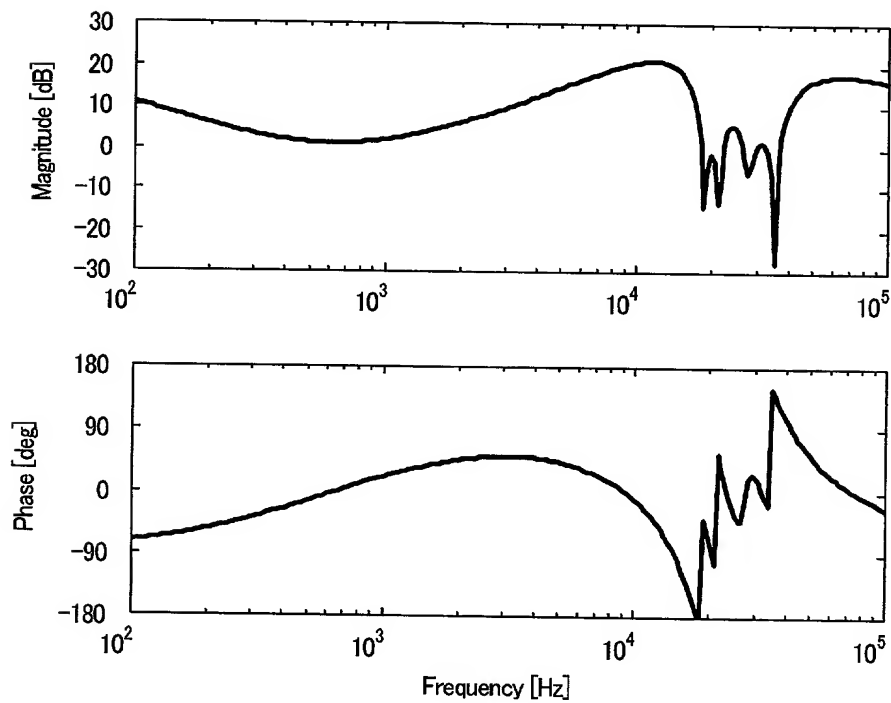


FIG. 26

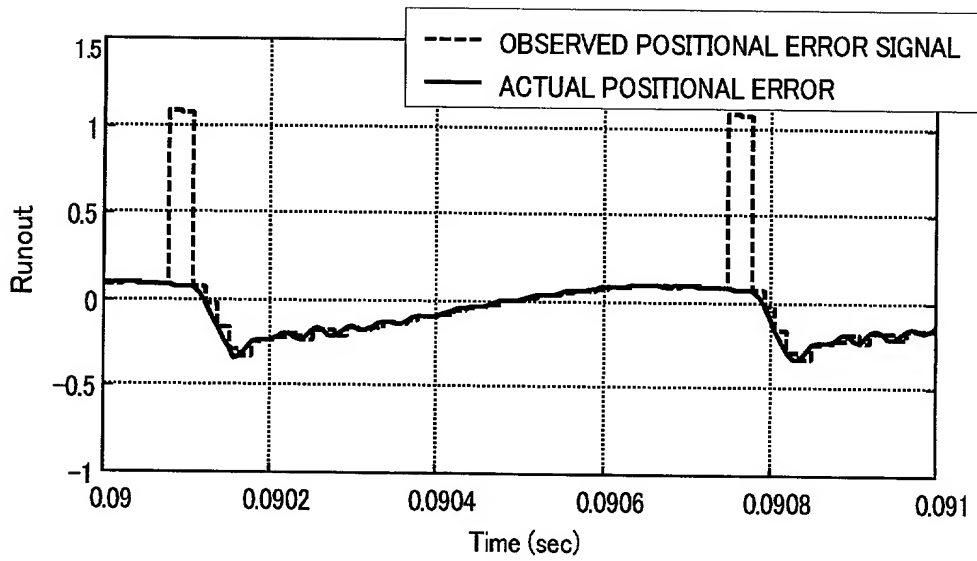
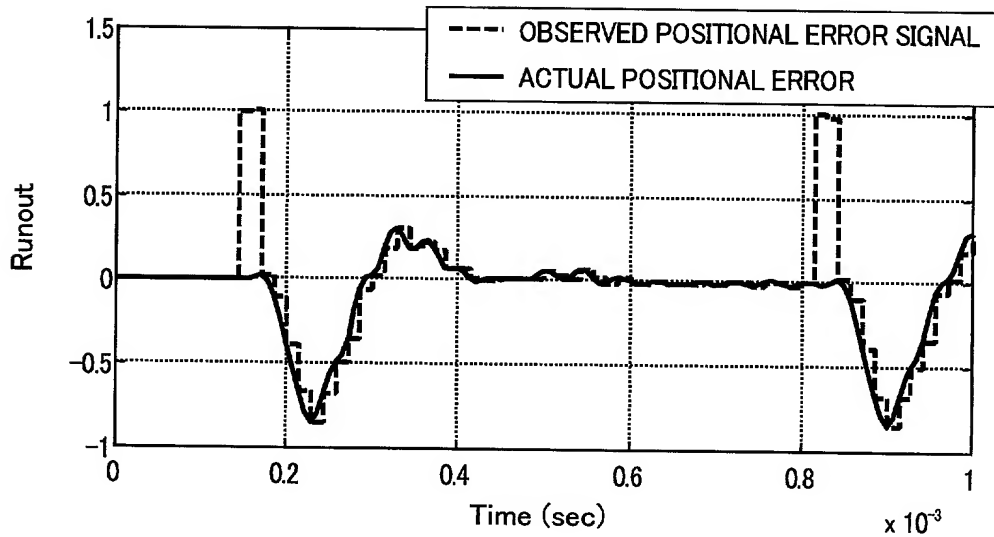


FIG. 27



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FIG. 28

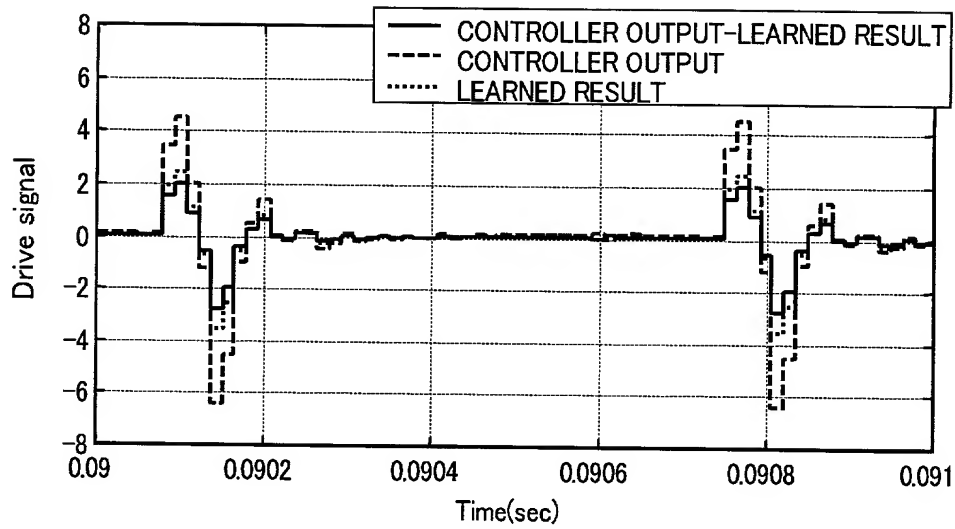


FIG. 29

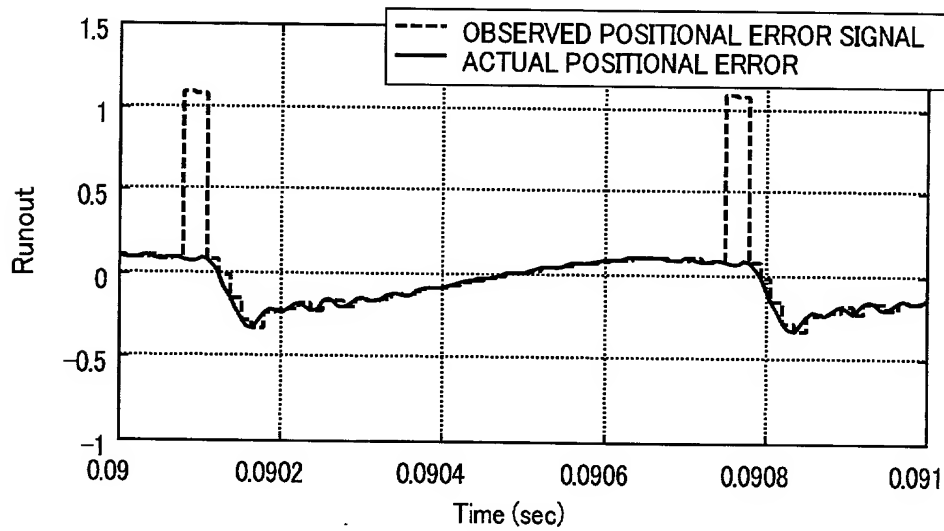


FIG. 30

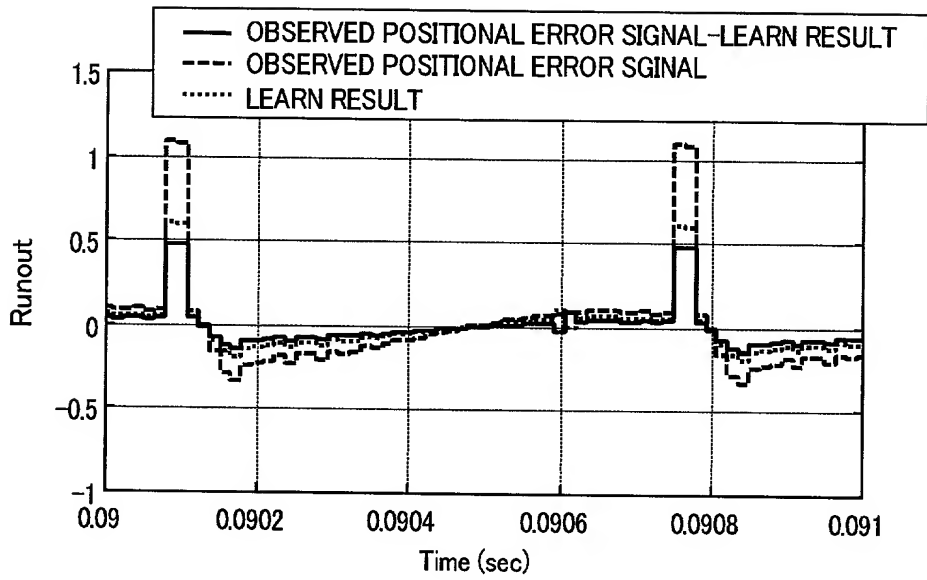


FIG. 31

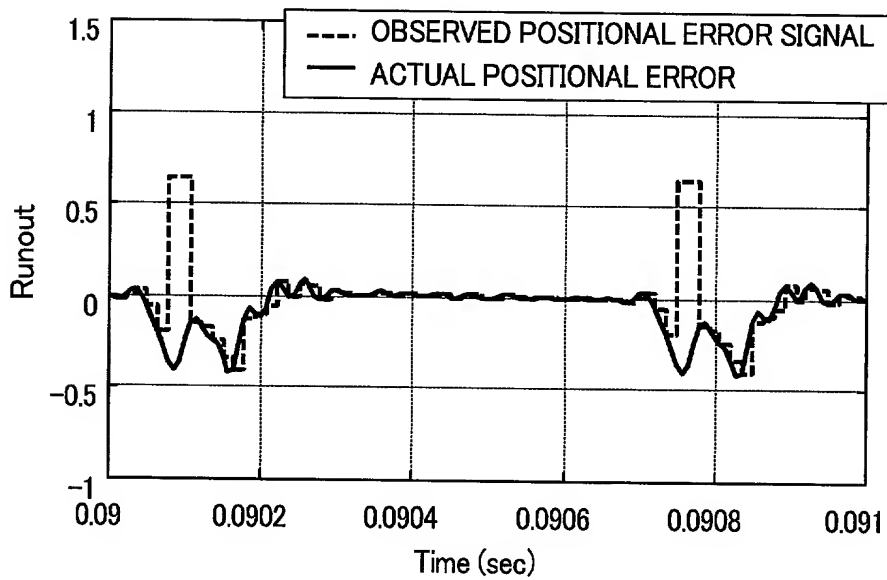


FIG. 32

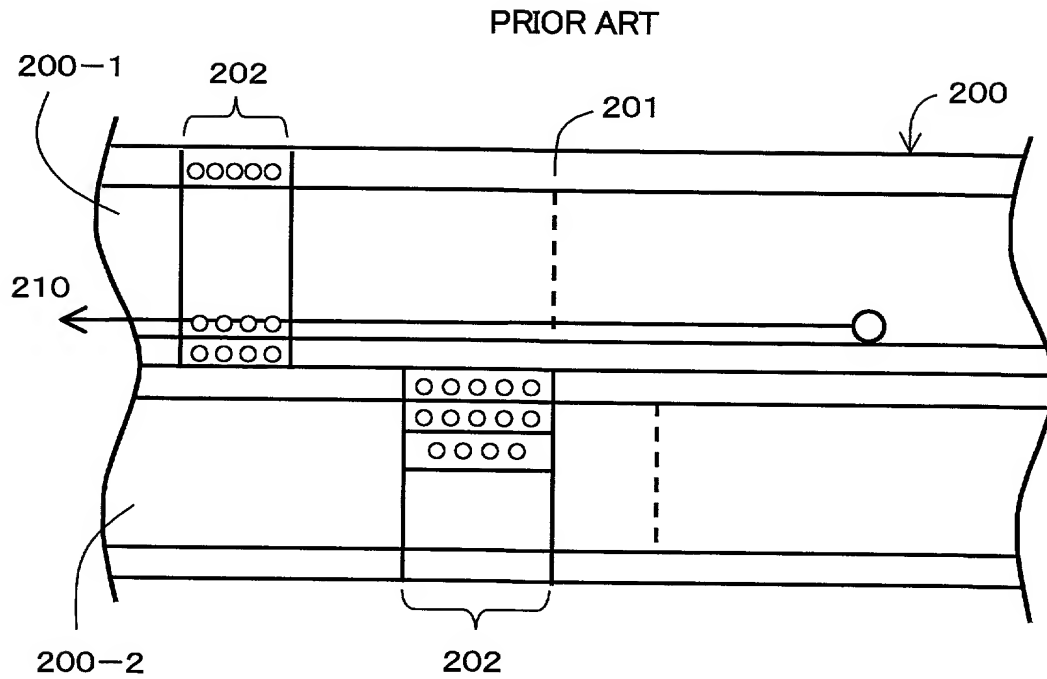


FIG. 33

